23106507

QP CODE: 23106507

Reg No : .....

Name : .....

B.Sc DEGREE (CBCS) IMPROVEMENT / REAPPEARANCE EXAMINATIONS, MARCH 2023

Fourth Semester

B.Sc Mathematics Model II Computer Science

Vocational Course - CA4VOT04 - COMPUTER SCIENCE - OPERATING SYSTEM

2017 Admission Onwards

873A1905

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. What is the difference between system views and users views?
2. What is embedded OS?
3. What is the feature of a real time OS?
4. Define FCFS and shortest job first algoritms.
5. What is aging?
6. Define deadlocks.
7. Define physical address space and logical address space.
8. Define a page table.
9. What do you mean by a file?
10. What are directory operations?
11. What is stack and buffer overflow?
12. Define threat monitoring.

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Write a note on mainframe OS.
14. Explain the services of OS.
15. Explain (1) throughput (2) turn around time (3) waiting time (4) response time
16. Explain resource allocation graph in deadlock.
17. Explain fragmentation.
18. What are the advantages by using segmentation method?
19. Explain different file access methods.
20. Explain password,onetime password and biometric access method.
21. Explain encryption.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain Operating systems with its functions.
23. Explain queuing diagram.
24. With the help of directory structure, explain directory and directory operation.
25. What is protection? Explain it with goal, principle and access matrix implementations

(2×15=30)